

Contents

| | |
|--|-----|
| <i>Editorial</i> | v |
| <i>Review Papers</i> | |
| A review of physical, chemical and biological properties of fly ash and effects on agricultural ecosystems | |
| D. El-Mogazi, D.J. Lisk and L.H. Weinstein (Ithaca, NY, U.S.A.). | 1 |
| Environmental implications of incineration of municipal solid waste and ash disposal | |
| D.J. Lisk (Ithaca, NY, U.S.A.) | 39 |
| <i>Regular Papers</i> | |
| Determination of ethylene and other reactive hydrocarbons in tobacco smoke and evaluation of risk from their inhalation | |
| G.N. Shaikh, G.G. Pandit, A.M. Mohan Rao and U.C. Mishra (Bombay, India) | 67 |
| Impact of bleached kraft mill effluents on drinking water quality | |
| B. Wigilius, H. Borén, A. Grimvall (Linköping, Sweden), G.E. Carlberg, I. Hagen and A. Brögger (Oslo, Norway) | 75 |
| Multielemental assay of tissues of deceased smelter workers and controls | |
| L. Gerhardsson (Umeå, Sweden), D. Brune (Oslo, Norway), G.F. Nordberg and P.O. Wester (Umeå, Sweden) | 97 |
| Characterization of a rural area in terms of dry and wet deposition | |
| M. Possanzini, P. Buttini and V. Di Palo (Rome, Italy) | 111 |
| Chlorinated organic compounds in urban air in Japan | |
| K. Urano, K. Kawamoto, Y. Abe and M. Otake (Yokohama, Japan) | 121 |
| Accumulation of polycyclic aromatic hydrocarbons (PAHs) in an urban snowpack | |
| A. Boom (Wageningen, The Netherlands) and J. Marsalek (Burlington, Ont., Canada) | 133 |
| Characterisation of metal forms in sewage sludge by chemical extraction and progressive acidification | |
| T. Rudd (London, U.K.), D.L. Lake (Redditch, U.K.), I. Mehrotra (Roorkee, India), R.M. Sterritt, P.W.W. Kirk (London, U.K.), J.A. Campbell (Marlow, U.K.) and J.N. Lester (London, U.K.) | 149 |
| Method for evaluating mutagenicity of water. I. A new method of preparing samples for mutagenicity test | |
| K. Urano, N. Haga, F. Emoto and T. Shinome (Yokohama, Japan) | 177 |
| Method for evaluating mutagenicity of water. II. Conditions for applying new sample preparation method to the Ames test | |
| K. Urano, N. Haga and F. Emoto (Yokohama, Japan) | 191 |
| Trace element residues in bluegills and common carp from the lower San Joaquin River, California, and its tributaries | |
| M.K. Saiki (Dixon, CA, U.S.A.) and T.W. May (Columbia, MO, U.S.A.). | 199 |
| Factors influencing lead concentrations in shed deciduous teeth | |
| L.J. Paterson, G.M. Raab, R. Hunter (Edinburgh, U.K.), D.P.H. Laxen (London, U.K.), M. Fulton (Edinburgh, U.K.), G.S. Fell, D.J. Halls (Glasgow, U.K.) and P. Sutcliffe (Edinburgh, U.K.). | 219 |
| A comparative study of copper, lead, cadmium and zinc in human sweat and blood | |
| J.L. Stauber and T.M. Florence (Menai, NSW, Australia) | 235 |
| Comparison of an inductively coupled plasma-atomic emission spectrometry method for the determination of calcium, magnesium, sodium, potassium, copper and zinc with atomic absorption spectroscopy and flame photometry methods | |
| E.S. DiPietro, M.M. Bashor, P.E. Stroud, B.J. Smarr, B.J. Burgess, W.E. Turner and J.W. Neese (Atlanta, GA, U.S.A.) | 249 |

| | |
|---|-----|
| Smoking machine parameters and cigarette smoke yields | |
| K.G. Darrall (London, U.K.) | 263 |
| Main factors affecting the calculation of radiation dose to the lung from inhalation of radon daughters | |
| A.K.M.M. Haque and I.A.M. Al-Affan (London, U.K.) | 279 |
| <i>Book Reviews</i> | 291 |
| <i>Errata</i> | 296 |
| <i>Author Index</i> | 297 |
| <i>Subject Index</i> | 298 |

